



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

application of

Docket No: Q85366

Hiroshi SHIMA, et al.

Appln. No.: 10/518,635

Group Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: December 20, 2004

For: METHOD FOR MEASURING FORCES ACTED UPON TIRE AND APPARATUS  
FOR MEASURING FORCES ACTED UPON TIRE

**REQUEST FOR REFUND**

**MAIL STOP 16**

Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby respectfully request a refund in the amount of \$100.00. This refund is to be credited to Deposit Account No. 19-4880.

Applicants believe that revised 37 C.F.R. § 1.492 allows reduced search and examination fees for applications in which the national fee was not filed before December 8, 2004. The above-referenced application was filed on December 20, 2004, with a copy of the International Search Report. (A copy of the copy of transmittal letter and PTO stamped Serial Number Card is attached.) Therefore, Applicants believe they are entitled to the reduced fee.

A duplicate copy of this paper is attached.

Respectfully submitted,

Steven M. Gruskin  
Registration No. 36,818

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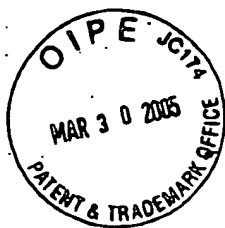
WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: March 30, 2005

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DT07 Rec'd PCT/PTO 20 DEC 2004

REQUEST FOR EARLY NOTIFICATION OF SERIAL NUMBER

Inventors: Hiroshi SHIMA, Katsuhiro KOBAYASHI, Wataru SEKI,  
Yukiq AOIKE and Takahisa SHIZUKI

Title: TIRE ACTING FORCE MEASURING METHOD, AND TIRE  
ACTING FORCE MEASURING DEVICE

Atty.Doc. #: Q85366 Client: SUGIMURA INTERNATIONAL PATENT  
& TRADE MARK AGENCY BUREAU

Assignee: BRIDGESTONE CORPORATION

**10/518635**

Filing Date: December 20, 2004 # Pgs. Spec/Abst: 52/1 #Claims: 19

# Dwg. Sheets: 37 + 2 replacement sheets Decl no Prelim Amdt yes

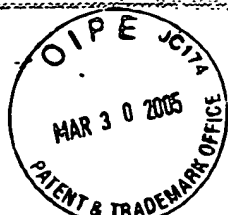
ISR: yes IDS/Prior Art: yes Pr Doc: no Asgmt: no Fee: \$1,000.00

☒ Check Attached ☐ Charge to Deposit # 19-4880 Atty/Sec: SMG:lef

SERIAL NO.:

CONF. NO.:

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/07441

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> B60T8/58, B60R16/02, G01L5/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B60T7/12-7/22, B60T8/00, B60T8/32-8/96, B60R16/02,  
G01L5/00-5/28, G01B7/00-7/34

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003  
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 5895854 A (Thomas Becherer, Martin Fehrle), 20 April, 1999 (20.04.99), Fig. 1 & EP 849597 A & DE 19646251 A	1, 2, 7-18 3-5, 19
Y A	JP 2002-2472 A (Bridgestone Corp.), 09 January, 2002 (09.01.02), Column 3, lines 32 to 40; Figs. 1, 4 (Family: none)	1, 2, 7-18 3-5, 19
Y A	EP 881468 A (STMICROELECTRONICS S.r.l.), 02 December, 1998 (02.12.98), Fig. 3 & JP 11-83418 A & IT 97840452 A	7, 9-18 19

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:  
"A" document defining the general state of the art which is not  
considered to be of particular relevance  
"E" earlier document but published on or after the international filing  
date  
"L" document which may throw doubts on priority claim(s) or which is  
cited to establish the publication date of another citation or other  
special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other  
means  
"P" document published prior to the international filing date but later  
than the priority date claimed

"T" later document published after the international filing date or  
priority date and not in conflict with the application but cited to  
understand the principle or theory underlying the invention  
"X" document of particular relevance; the claimed invention cannot be  
considered novel or cannot be considered to involve an inventive  
step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be  
considered to involve an inventive step when the document is  
combined with one or more other such documents, such  
combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search  
21 August, 2003 (21.08.03)

Date of mailing of the international search report  
09 September, 2003 (09.09.03)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

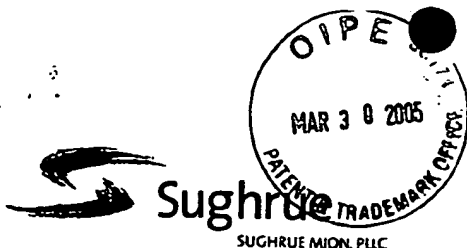
Telephone No.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP03/07441

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 52-130602 A (Nippon Gakki Co., Ltd.), 02 November, 1977 (02.11.77), Fig. 3 (Family: none)	7, 9-18 19



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December 20, 2004

**MAIL STOP PCT**

Commissioner for Patents  
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PCT/JP03/07441  
-filed June 11, 2003

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F 650.625.8110

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1-1-3 Marunouchi  
Chiyoda-ku Tokyo 100-0005  
Japan

T 03.5220.0200  
F 03.5220.0222

[www.sughrue.com](http://www.sughrue.com)

Re: Application of Hiroshi SHIMA, Katsuhiko KOBAYASHI,  
Wataru SEKI, Yukio AOIKE and Takahisa SHIZUKI entitled  
"TIRE ACTING FORCE MEASURING METHOD, AND  
TIRE ACTING FORCE MEASURING DEVICE"  
Assignee: BRIDGESTONE CORPORATION  
Our Reference: Q85366

DEC 20 2004

Sir:

The following documents and fees are submitted herewith in connection with the subject application for the purpose of entering the National Stage under 35 U.S.C. §371 in accordance with the Patent Cooperation Treaty:

- ☐ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ Thirty-seven (37) sheets of drawings illustrating Figs. 1, 2a, 2b, 3a, 3b, 4, 5, 6a, 6b, 7a, 7b, 8, 9a, 9b, 10-12, 13a, 13b, 14-16, 17a, 17b, 18, 19, 20a, 20b, 21-23, 24a, 24b, 25-27, 28a, 28b, 29, 30a, 30b, 30c, 30d, 31-36, 37a and 37b, plus two (2) replacement sheets for Figs. 29 and 35.
- ☐ an English translation of Article 19 claim amendments.
- ☐ an English translation of Article 34 amendments (annexes to the IPER).
- ☐ a copy of the executed Assignment and Form PTO-1595.
- ☒ an Information Disclosure Statement and Form PTO/SB/08 A & B (modified) listing the ISR/IPER references.
- ☒ a copy of each reference cited in the ISR/IPER.
- ☒ a Preliminary Amendment.
- ☒ It is expressly requested that National Stage processing be commenced immediately in accordance with 35 U.S.C. §371(f).

Copies of the Declaration and Power of Attorney and Assignment documents will be submitted at a later date.

It is presumed that copies of the International Application, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by 35 U.S.C. §371(c) were supplied directly by the International Bureau, but if additional copies are required, the undersigned attorney will provide the same upon request.

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Commissioner for Patents

- 2 -

December 20, 2004

After entry of the concurrently filed Preliminary Amendment, the Government filing fee is calculated as follows:

Total claims	<u>19</u>	-	20	=	<u>0</u>	x	\$50.00	=	<u>0</u>
Independent claims	<u>1</u>	-	3	=	<u>0</u>	x	\$200.00	=	<u>0</u>
Base Fee									<u>\$1,000.00</u>

**TOTAL FEE REQUIRED**

\$1,000.00

A check for the statutory filing fee of \$1,000.00 is attached. The USPTO is directed and authorized to charge all additional required fees (except the Issue/Publication Fees) to our Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is also attached.

Priority under 35 U.S.C. §119 is claimed from:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>
Japan	2002-181,485	June 21, 2002
Japan	2002-294,904	October 8, 2002
Japan	2002-379,916	December 27, 2002
Japan	2002-380,505	December 27, 2002
Japan	2003-66,710	March 12, 2003

Respectfully submitted,

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Registration No. 36,818

SMG:lef  
Attachments

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23373

CUSTOMER NUMBER

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